

Converting Colors

$Yxy(78.9731, 0.2310, 0.3378)$

Have a look what the booklet for
Yxy(78.9731, 0.2310, 0.3378)
contains.

Yxy(79.0011, 0.2308, 0.3372)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.0011, 0.2308, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF8
RGB	51, 255, 248
RGB Percent	20%, 100%, 97%
CMY	0.7995, 0.0000, 0.0274
CMYK	0.80, 0.00, 0.03, 0.00
HSL	178°, 100%, 60%
HSV	178°, 80%, 100%
XYZ	54.0731, 79.0011, 101.2114
YIQ	193.2060, -119.3370, -45.4250

Conversions

Conversions Part 2

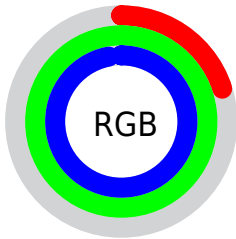
Format	Color
R _Y B	51, 155, 255
Decimal	3407864
CIE _{Lab}	91.23, -47.92, -10.30
CIE _{LCh}	91, 49.011, 192.132
Y _{xy}	79.0011, 0.2308, 0.3372
Android (android.graphics.Color)	4281597944 (0xFF33FFF8)
YUV	193.2060, 27.0134, -124.7147
Hunter-Lab	88.8826, -46.9512, -5.2963

Details

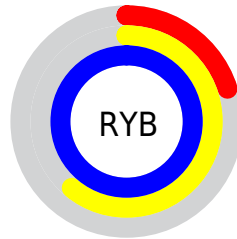
The Yxy color **79.0011, 0.2308, 0.3372** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9443, 0.5877, 0.3258**, and the grayscale version is **53.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.7383, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **78.4577, 0.2285, 0.3383**, and if you desaturate by 10%, it is **79.9135, 0.2350, 0.3361**.

Distribution



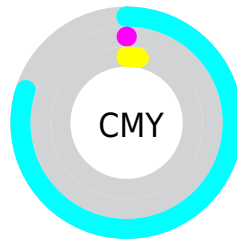
- Red (20%)
- Green (100%)
- Blue (97%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0011, 0.2308, 0.3372 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 79.0011, 0.2308, 0.3372 by changing the saturation by 10% instead.


 79.0011, 0.2308,
0.3372

 79.0011, 0.2308,
0.3372


491.5601, 0.2672,
0.3345


 58.8967, 0.2229,
0.3376

 131.9604, 0.2431,
0.3365


 42.5300, 0.2134,
0.3379


 165.5841, 0.2480,
0.3361

 29.5165, 0.2016,
0.3381


 204.4831, 0.2522,
0.3358

 19.4719, 0.1868,
0.3380

 249.0416, 0.2559,
0.3355

 12.0118, 0.1678,
0.3374

299.6442, 0.2592,
0.3352

 6.7517, 0.1425,
0.3354

356.6752, 0.2622,

 3.3073, 0.1083,

0.3350

420.5190, 0.2648,
0.3347

0.3301

1.2942, 0.0032,
0.3352

0.1367, 0.0000,
0.1359

79.0011, 0.2308,
0.3372

79.0011, 0.2308,
0.3372

78.4577, 0.2285,
0.3383

79.9135, 0.2350,
0.3361

78.1899, 0.2276,
0.3394

81.2379, 0.2411,
0.3349

78.1889, 0.2276,
0.3394

83.0207, 0.2491,
0.3338

85.3000, 0.2591,
0.3327

■ 88.1099, 0.2706,
0.3317

■ 91.4813, 0.2837,
0.3307

■ 95.4430, 0.2978,
0.3298

■ 99.9994, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0011, 0.2725, 0.3945



79.0011, 0.2308, 0.3372



79.0011, 0.2110, 0.2839

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0011, 0.2308, 0.3372



79.0011, 0.2896, 0.2479



79.0011, 0.4183, 0.3998

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.0011, 0.2308, 0.3372



23.9443, 0.5877, 0.3258

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0011, 0.4263, 0.3574



79.0011, 0.2308, 0.3372



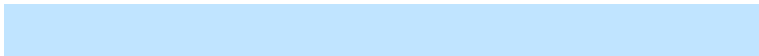
79.0011, 0.3479, 0.2744

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0011, 0.2308, 0.3372



79.0011, 0.2424, 0.2387



79.0011, 0.4000, 0.3130



79.0011, 0.3811, 0.4290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0011, 0.2308, 0.3372



79.0011, 0.2112, 0.2588



79.0011, 0.4000, 0.3130



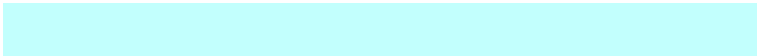
79.0011, 0.4247, 0.3865

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.0041, 0.2308, 0.3372



90.0485, 0.2782, 0.3311



72.7614, 0.3034, 0.5764



19.0207, 0.2736, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0041, 0.2308, 0.3372



78.2770, 0.2279, 0.3390



34.2109, 0.1958, 0.2058



20.4701, 0.2985, 0.3298



40.8606, 0.2276, 0.3393



3.9817, 0.2272, 0.3380

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.9443, 0.5877, 0.3258



21.5271, 0.6325, 0.3284



41.1040, 0.5108, 0.4066



17.9972, 0.3289, 0.3282



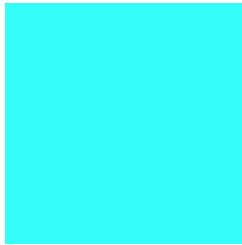
11.1232, 0.6366, 0.3281



1.0864, 0.6284, 0.3236

Previews

White Background



This preview shows how the Yxy color 79.0011, 0.2308, 0.3372 looks on a white background.

Color Contrast Check

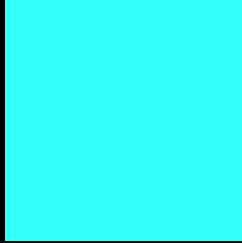
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 79.0011, 0.2308, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

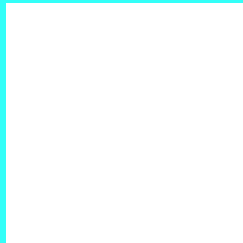
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.0011, 0.2308, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 79.0011, 0.2308, 0.3372.



This preview shows how white text looks on a background with the Yxy color 79.0011, 0.2308, 0.3372.

Color Blindness Simulation

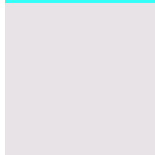
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



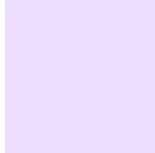
Original Color

79.0011, 0.2308, 0.3372



Protanopia

77.6966, 0.3129, 0.3248



Deuteranopia

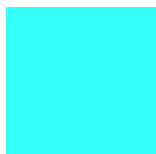
77.4671, 0.3019, 0.2957



Tritanopia

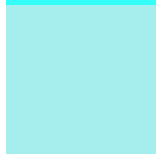
78.0952, 0.2579, 0.3143

Trichromacy



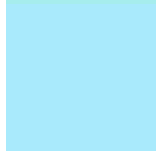
Original Color

79.0011, 0.2308, 0.3372



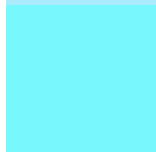
Protanomaly

74.7898, 0.2695, 0.3289



Deuteranomaly

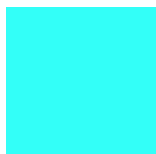
74.3089, 0.2631, 0.3086



Tritanomaly

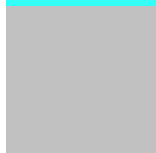
77.5429, 0.2440, 0.3230

Monochromacy



Original Color

79.0011, 0.2308, 0.3372



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.5785, 0.2655, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0011, 0.2308, 0.3372 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 248)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 79.0011, 0.2308, 0.3372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 248) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 248) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 79.0011, 0.2308, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 248) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
248) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor